



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO AMERICAN BOTANICAL LITERATURE

1915-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

This Index is reprinted monthly on cards, and furnished in this form to subscribers at the rate of one cent for each card. Selections of cards are not permitted; each subscriber must take all cards published during the term of his subscription. Correspondence relating to the card issue should be addressed to the Treasurer of the Torrey Botanical Club.

Ashe, W. W. Notes on trees and shrubs. Bull. Charleston Mus. **13**: 25-28. Ap 1917.

Andrews, A. L. Bryological notes—III. Further mosses new to Iceland. Torreyia **17**: 60-62. 10 My 1917.

Blizzard, A. W. The development of some species of Agarics. Am. Jour. Bot. **4**: 221-240. pl. 6-11. Ap 1917.

Burnham, S. H. The ferns of the Lake George flora, N. Y. Am. Fern Jour. **7**: 54-63. My 1917.

Christensen, C. New Polypodiums from tropical America. Am. Fern Jour. **7**: 33-35. My 1917.
Polypodium steirolepis and *P. tobagense*, spp. nov.

Collins, F. S. The Sargasso Sea. Rhodora **19**: 77-84. 1 My 1917.

Cowgill, H. B. Report of the plant breeder. Rep. Board Comm. Agr. Porto Rico **5**: 16-34. 1917.

Davis, B. M. Some inter- and back-crosses of F_1 *Oenothera* hybrids. Genetics **2**: 155-185. f. 1-6. Mr 1917.

Dunn, L. C. Nucleus and cytoplasm in heredity. Am. Nat. **51**: 286-300. My 1917.

Fernald, M. L. The identity of *Circaea canadensis* and *C. intermedia*. Rhodora **19**: 85-88. 1 My 1917.

- Fernald, M. L.** A new *Cardamine* from southern Maine. *Rhodora* **19**: 91, 92. 1 My 1917.
Cardamine Longii sp. nov.
- Forbes, R. H.** Certain effects under irrigation of copper compounds upon crops. *Univ. Calif. Publ. Agr. Sci.* **1**: 395-494. *pl.* 6-9+f. 1-16. 7 Ap 1917.
- Gile, P. L., & Carrero, J. O.** Absorption of nutrients as affected by the number of roots supplied with the nutrient. *Jour. Agr. Research* **9**: 73-95. 16 Ap 1917.
- Graves, E. W.** A new station for *Trichomanes Petersii*. *Am. Fern Jour.* **7**: 51-54. *pl.* 2, 3. My 1917.
- Hansen, A. H.** Sandy sporophores. *Torreyia* **17**: 55-58. *f.* 1, 2. 10 My 1917.
- Harris, J. A.** Further studies on the relationship between bilateral asymmetry and fertility and fecundity in unilocular fruit. *Genetics* **2**: 186-204. *f.* 1-3. Mr 1917.
- Harris, J. A.** On the applicability of Pearson's biserial *r* to the problem of asymmetry and fertility in the unilocular fruit. *Genetics* **2**: 205-212. *f.* 1. Mr 1917.
- Humbert, E. P.** Inheritance of oil in cotton. *Science* **II**. **45**: 411. 27 Ap 1917.
- Jeffrey, E. C.** Petrified coals and their bearing on the problem of the origin of coals. *Proc. Nat. Acad. Sci.* **3**: 206-211. *f.* 1-4. Mr 1917.
- Jennings, O. E.** A contribution to the botany of the Isle of Pines, Cuba, based upon the specimens of plants from that island contained in the herbarium of the Carnegie Museum under date of October, 1916. *Ann. Carnegie Mus.* **11**: 19-290. *pl.* 5-28. Mr 1917.
Includes new species in *Epidendrum* (2), *Acicanthera* (1), *Pachyanthus* (1), *Bauhinia* (1), *Mesosphaerum* (2), and *Justicia* (1).
- Kempton, J. H.** Protective coloration in seeds of Bolivian maize. *Jour. Heredity* **8**: 200-202. *f.* 1. 25 Ap 1917.
- Killip, E. P.** Ferns of Jamaica. *Am. Fern Jour.* **7**: 36-50. My 1917.
- Loeb, J.** A quantitative method of ascertaining the mechanism of growth and of inhibition of growth of dormant buds. *Science* **II**. **45**: 436-439. 4 My 1917.
- Mains, E. B.** The relation of some rusts to the physiology of their hosts. *Am. Jour. Bot.* **4**: 179-220. *pl.* 4, 5. Ap 1917.
- Marshall, R.** Ferns of Lake Spooner. *Am. Fern Jour.* **7**: 64, 65. My 1917.

- McBeth, I. G.** Fixation of ammonia in soils. Jour. Agr. Research **9**: 141-155. *f.* 1-3. 30 Ap 1917.
- Mendelson, W.** *Ophioglossum vulgatum*—once more. Am Fern. Jour. **7**: 63, 64. My 1917.
- Moore, C. W.** Self-sterility. Jour. Heredity **8**: 203-207. *f.* 2-4. 25 Ap 1917.
- Murrill, W. A.** (Agaricales.) Agaricaceae (pars), Agariceae (pars). N. Am. Fl. **10**: 77-144. 26 Ap 1917.
Includes descriptions of 100 new species in *Claudopus* (1), *Eccilia* (9), *Leptoniella* (13), *Nolanea* (11), *Pleuropus* (3), *Entoloma* (33), *Pluteus* (28) and *Volvariopsis* (2).
- Patterson, F. W., & Charles, V. K.** Some common edible mushrooms. U. S. Dept. Agr. Farm. Bull. 796: 1-24. *f.* 1-22. Mr 1917.
- Pease, A. S.** Is *Aster tardiflorus* a hybrid? Rhodora **19**: 88-90. 1 My 1917.
- Pickett, F. L.** The length of *Erythronium* stamens. Torreyia **17**: 58-60. *f.* 1. 10 My 1917.
- Piper, C. V.** The cowhage and related species. Proc. Biol. Soc. Washington **30**: 51-62. 31 Mr 1917.
Includes *Stizolobium microsperrum*, *S. venulosum* and *S. forbesii*, spp. nov.
- [**Popenoe, P.**] Flower buds and leaf buds. Jour. Heredity **8**: 236-239. *f.* 10-13. 26 Ap 1917.
- [**Popenoe, P.**] The hairs of nettles. Jour. Heredity **8**: 240. *f.* 14. 26 Ap 1917.
- Rhoads, A. S.** The black zones formed by wood-destroying fungi. N. Y. State Col. Forest. Tech. Publ. **8**: 1-60. *pl.* 1-6. Mr 1917.
- Robertson, C.** Flowers and insects.—XX. Evolution of entomophilous flowers. Bot. Gaz. **63**: 307-316. 16 Ap 1917.
- Rock, J. F.** The ornamental trees of Hawaii. i-v+1-210. *pl.* 1-79 + *frontispiece*. Honolulu. F 1917.
- Rose, J. N.** *Dudleya Brandegei*. Addisonia **2**: 15. *pl.* 48. 31 Mr 1917.
- Rose, J. N.** *Werckleocereus glaber*. Addisonia **2**: 13. *pl.* 47. 31 Mr 1917.
- Rosett, J.** Observations on a new type of artificial osmotic cell. Plant World **20**: 37-57. *f.* 1-3. F 1917.
- Rusby, H. H.** *Dircaea magnifica*. Addisonia **2**: 7, 8. *pl.* 44. 31 Mr 1917.
- Scott, C. A.** A practical method of preventing damping off of coniferous seedlings. Jour. Forestry **15**: 192-196. *pl.* 1, 2. F 1917.

- Shamel, A. D.** An orange bud variation. Jour. Heredity **8**: 177, 178. f. 10. Ap 1917.
- Sherff, E. E.** *Siegesbeckia orientalis* in Illinois. Rhodora **19**: 74, 75. Ap 1917.
- Shufeldt, R. W.** The dogwood. Am. Forest. **23**: 217-220. f. 1-5. Ap 1917.
- Skinner, J. J.** The effect of vanillin and salicylic aldehyde in culture solution and the action of chemicals in altering their influence. Plant World **19**: 371-378. f. 1-3. D 1916.
- Small, J. K.** *Nolina texana*. Addisonia **2**: 1, 2. pl. 42. 31 Mr 1917.
- Smith, E. F.** Chemically induced crown gall. Proc. Nat. Acad. Sci. **3**: 312-314. 15 Ap 1917.
- Sherbakoff, C. D.** Buckeye rot of tomato fruit. Phytopathology **7**: 119-129. f. 1-5. Ap 1915.
Phytophthora terrestris sp. nov.
- St. John, H.** The status of *Glyceria Fernaldii*. Rhodora **19**: 75, 76. 17 Ap 1917.
- Stevens, F. L.** Noteworthy Porto Rican plant diseases. Phytopathology **7**: 130-134. Ap 1917.
- Stevens, F. L.** Problems of plant pathology. Bot. Gaz. **63**: 297-306. 16 Ap 1917.
- Stevens, N. E.** Some factors influencing the prevalence of *Endothia gyrosa*. Bull. Torrey Club **44**: 127-144. f. 1-5. 27 Mr 1917.
- Tavares, J. S.** *L'Anacardium occidentale* L. an Brésil. Broteria **14**: 123-129. pl. 4, 5. 1 D 1916.
- Tottingham, W. E., & Beck, A. J.** Antagonism between manganese and iron in the growth of wheat. Plant World **19**: 359-370. f. 1, 2. D 1916.
- Truog, E.** The utilization of phosphates by agricultural crops, including a new theory regarding the feeding power of plants. Wisconsin Agr. Exp. Sta. Research Bull. **41**: 1-50. f. 1-11. N 1916.
- Weniger, W.** Development of embryo sac and embryo in *Euphorbia Preslii* and *E. splendens*. Bot. Gaz. **63**: 266-281. pl. 14-16. 16 Ap 1917.
- Weir, J. R.** New hosts for *Razoumofskya americana* and *R. occidentalis abietina*. Phytopathology **7**: 140. Ap 1917.
- Weir, J. R., & Hubert, E. E.** Pycnial stages of important forest tree rusts. Phytopathology **7**: 135-139. f. 1, 2. Ap 1917.